

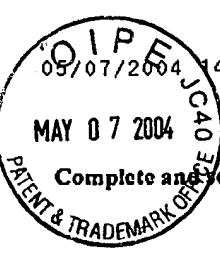
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TOWNSEND SAN DIEGO

004/006

MAY 07 2004



## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail**
**Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
**(703) 746-4000**
**or Fax**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

25225 7590 03/19/2004

**MORRISON & FOERSTER LLP**  
**3811 VALLEY CENTRE DRIVE**  
**SUITE 500**  
**SAN DIEGO, CA 92130-2332**
**TOWNSEND AND TOWNSEND AND CREW LLP**  
**TWO EMBARCADERO CENTER, EIGHTH FLOOR**  
**SAN FRANCISCO, CA 94111**

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Pamela Skelton	(Depositor's name)
<i>Pamela Skelton</i>	(Signature)
May 7, 2004	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/407,327	09/28/1999	GEORGE H. LOWELL	406462000102	2613

TITLE OF INVENTION: ORAL OR INTRANASAL VACCINES USING HYDROPHOBIC COMPLEXES HAVING PROTEOSOMES AND LIPOPOLYSACCHARIDES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/21/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
ZEMAN, ROBERT A	1645	424-234100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Townsend and Townsend  
and Crew LLP2 \_\_\_\_\_  
3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

U.S. Army Medical Research Materiel Command, Fort Detrick, Maryland

Please check the appropriate assigned category or categories (will not be printed on the patent):  individual  corporation or other private group entity  government

4a. The following fee(s) are enclosed:

4b. Payment of Fee(s):

 Issue Fee A check in the amount of the fee(s) is enclosed. Publication Fee Payment by credit card. Form PTO-2038 is attached. Advance Order - # of Copies 5 The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 20-1430 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) Karen B. Dow 29,684 (Date) May 7, 2004

*Karen Babcock Dow*

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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05/10/2004 AWONDAF2 00000001 201430 09407327

01 FC:1501	1330.00 DA
02 FC:1504	300.00 DA
03 FC:8001	15.00 DA

TRANSMIT THIS FORM WITH FEE(S)



# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 1645)

### Complete if Known

Application Number	09/407,327
Filing Date	September 28, 1999
First Named Inventor	George H. Lowell
Examiner Name	Robert A. Zeman
Art Unit	1645
Attorney Docket No.	021989.000320US

### METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  Other  None  
 Deposit Account:

Deposit Account Number  
**20-1430**

Deposit Account Name  
**Townsend and Townsend and Crew LLP**

The Director is authorized to: (check off that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

**SUBTOTAL (1)**

(\$)

#### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
<input type="checkbox"/>	-	= <input type="checkbox"/> X <input type="checkbox"/> =	<input type="checkbox"/>
Independent Claims	<input type="checkbox"/>	-	<input type="checkbox"/>
Multiple Dependent		X <input type="checkbox"/> =	<input type="checkbox"/>

#### Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 88	2201 43	Independent claims in excess of 3	
1203 280	2203 145	Multiple dependent claim, if not paid	
1204 86	2204 43	" Reissue independent claims over original patent	
1205 18	2205 9	" Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2)**

(\$)

\*or number previously paid, if greater. For Reissues, see above

### FEE CALCULATION (continued)

3. ADDITIONAL FEES	Fee Description	Fee Paid	
Fee Code	Fee (\$)	Fee Code	
1051	130	2051 65	Surcharge - late filing fee or oath
1052	50	2052 25	Surcharge - late provisional filing fee or cover sheet
1053	130	1053 130	Non-English specification
1812	2,520	1812 2,520	For filing a request for reexamination
1804	920*	1804 920*	Requesting publication of SIR prior to Examiner action
1805	1,840*	1805 1,840*	Requesting publication of SIR after Examiner action
1251	110	2251 65	Extension for reply within first month
1252	420	2252 210	Extension for reply within second month
1253	950	2253 475	Extension for reply within third month
1254	1,480	2254 740	Extension for reply within fourth month
1255	2,010	2255 1,005	Extension for reply within fifth month
1401	330	2401 165	Notice of Appeal
1402	330	2402 165	Filing a brief in support of an appeal
1403	280	2403 145	Request for oral hearing
1451	1,510	1451 1,510	Petition to institute a public use proceeding
1452	110	2452 55	Petition to revive - unavoidable
1453	1,330	2453 665	Petition to revive - unintentional
1501	1,330	2501 665	Utility issue fee (or reissue)
1502	480	2502 240	Design issue fee
1503	640	2503 320	Plant issue fee
1480	130	1480 130	Petitions to the Commissioner
1807	50	1807 50	Petitions related to provisional applications
1808	180	1808 180	Submission of Information Disclosure Stmt
8021	40	8021 40	Recording each patent assignment per property (times number of properties)
1809	770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))
1810	770	2810 385	For each additional invention to be examined (37 CFR § 1.128(b))
1801	770	2801 385	Request for Continued Examination (RCE)
1802	900	1802 900	Request for expedited examination of a design application
Other fee (specify) -Publication Fee, 5 Extra Copies			
*Reduced by Basic Filing Fee Paid			
<b>SUBTOTAL (3)</b>			
(\$)1645			
315			

### SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Karen B. Dow	Registration No. (Attorney/Agent)	29,684	Telephone	(858) 350-6100
Signature	<i>Karen Barbara Dow</i>			Date	May 7, 2004

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